BookletChart™

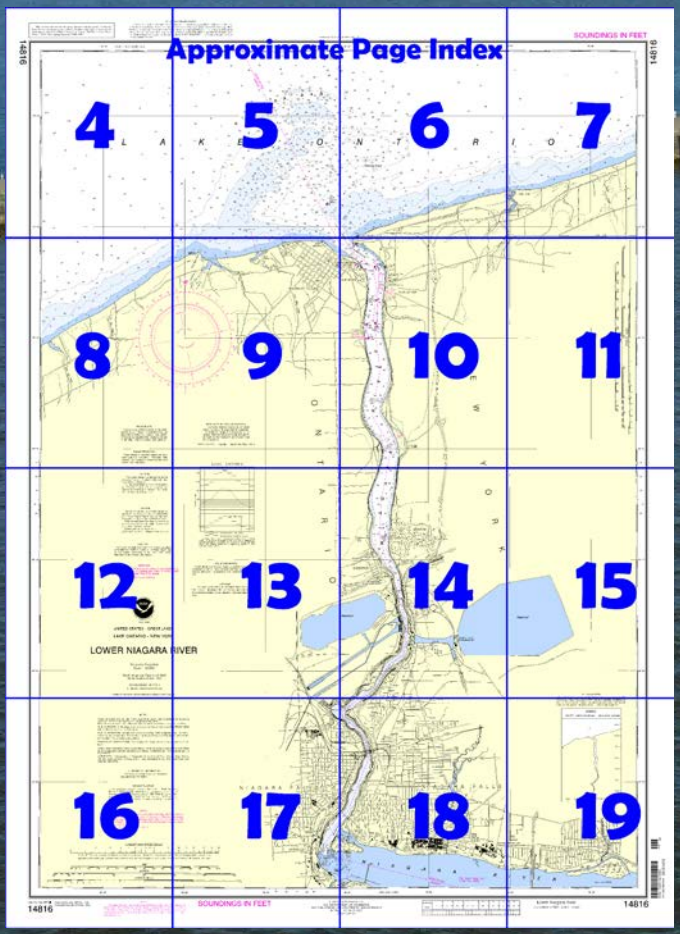
Lower Niagara River

NOAA Chart 14816

A reduced-scale NOAA nautical chart for small boaters

When possible, use the full-size NOAA chart for navigation.

- *Complete, reduced-scale nautical chart*
- *Print at home for free*
- *Convenient size*
- *Up-to-date with Notices to Mariners*
- *Compiled by NOAA's Office of Coast Survey, the nation's chartmaker*



Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

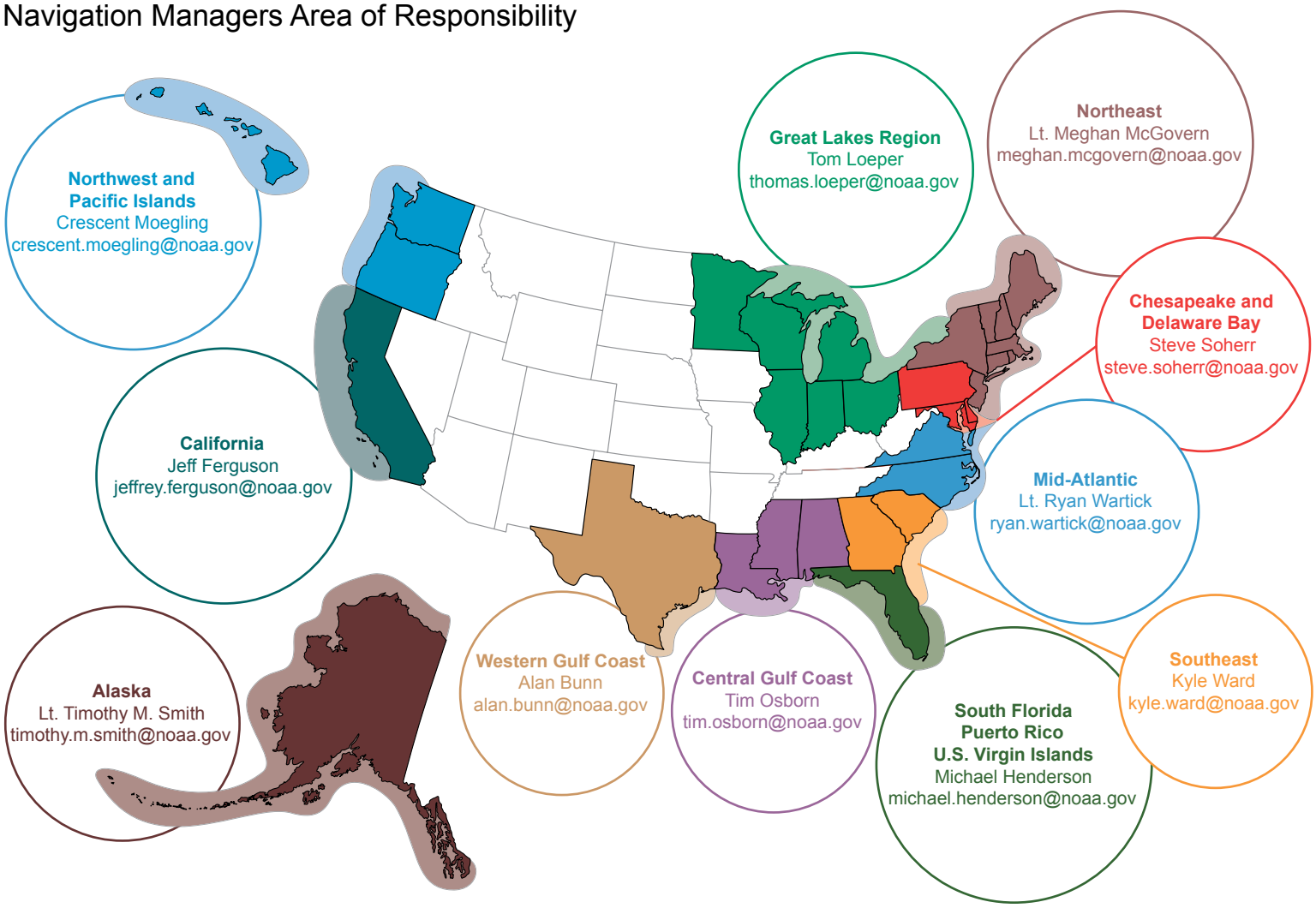
For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=14816

(Selected Excerpts from Coast Pilot)
Niagara River Below Niagara Falls.–The Niagara River flows from the northeast end of Lake Erie and enters Lake Ontario about 36 miles from its west end. The Lake Ontario entrance to the river is between two land points occupied by **Fort Niagara, NY,** on the E, and **Fort Mississauga, ON**, on the west. The **International boundary** between the United States and Canada generally follows a middle of the river course through the lower Niagara River.
The Niagara River, with its great volume of water and a current of about 2.2 knots, deposits considerable sediment in Lake Ontario and forms extensive shoals for a radius of about 3 miles off the mouth of the river.
A bank with least depths of 5 feet extends about 0.8 mile off the east side of the entrance and is marked on its northwest side by a lighted bell buoy. **Rumsey Shoal,** with depths of 17 feet, is an unmarked detached shoal about 1.5 miles north of Fort Niagara. **Niagara Bar** extends from shore about 2 miles west of the river mouth northeast to a point about 3 miles north of the river mouth. The north part of the shoal has depths of 12 and 13 feet, but depths of 8 feet are found to about 1.5 miles offshore northwest of the river mouth. Commercial sand and gravel dredging is conducted intermittently in the area and depths are subject to change. In 1982, an obstruction covered 3 feet was reported in about 43°16'00"N., 79°05'12"W. Vessels bound between the Welland Canal and points east of the Niagara River must avoid Niagara Bar by passing north of the lighted buoy about 3.7 miles north of Fort Niagara.
The entrance to the Niagara River is marked by lighted buoys, a **149°30'** lighted range, and lights at Fort Niagara and Fort Mississauga. **Fort Niagara Light** (43°15.7'N., 79°03.8'W.), 80 feet above the water, is shown from a tower with a white and green diamond-shaped daymark on the east side of the river at the mouth.
At the prevailing stages during the navigation season, a depth of about 13 feet may be carried into the river by closely following the lighted range. An alternate approach is on course **187°,** avoiding the E edge of Niagara Bar and leaving the lighted bell buoy marking the bank off Fort Niagara close aboard to port, and then swinging for the river when on the lighted range.
Once inside the river, an unobstructed channel with depths of 30 to 70 feet leads to Lewiston at the foot of the rapids below Niagara Falls, about 7 miles above the mouth.
Niagara Coast Guard Station is on the E side of the Niagara River entrance. In 1977, depths of 14 feet were reported alongside the Coast Guard wharf.
Niagara-on-the-Lake, Ont., is on the W side of the mouth of the river. A **Canadian customs reporting station** is at Niagara-on-the-Lake. (See Canadian Customs, chapter 1.) The customs wharf has depths of 4 to 10 feet alongside.
A small-craft basin immediately S of the customs wharf provides gasoline, diesel fuel, sewage pump-out, a 25-ton marine railway, a 20-ton hoist, and hull and engine repairs. Depths of 2 to 5 feet are reported in the basin. Mariners are cautioned that strong winds tend to raise or lower the water level in the basin by as much as 2 feet.
Anchorage.–A **special anchorage** is on the east side of the river at Youngstown. (See **33 CFR 110.1 and 110.85,** chapter 2, for limits and regulations.)
Quarantine, customs, immigration, and agricultural quarantine.–(See chapter 3, Vessel Arrival Inspections, and appendix for addresses.)
Quarantine is enforced in accordance with the regulations of the U.S. Public Health Service. (See Public Health Service, chapter 1.)
Youngstown is a **customs port of entry.**
Anchorage.–A Canadian **anchorage area** is on the west side of the river about 2 miles above the mouth.
Lewiston, NY, on the east side of the river about 7 miles above the mouth, is the head of navigation on the lower Niagara River. In 2000, the town landing had a large 300-foot dock with a reported depth of 8 feet alongside. A launch area and transient slip area was also available at the landing.

U.S. Coast Guard Rescue Coordination Center
24 hour Regional Contact for Emergencies

RCC Cleveland	Commander 9th CG District Cleveland, OH	(216) 902-6117

Navigation Managers Area of Responsibility

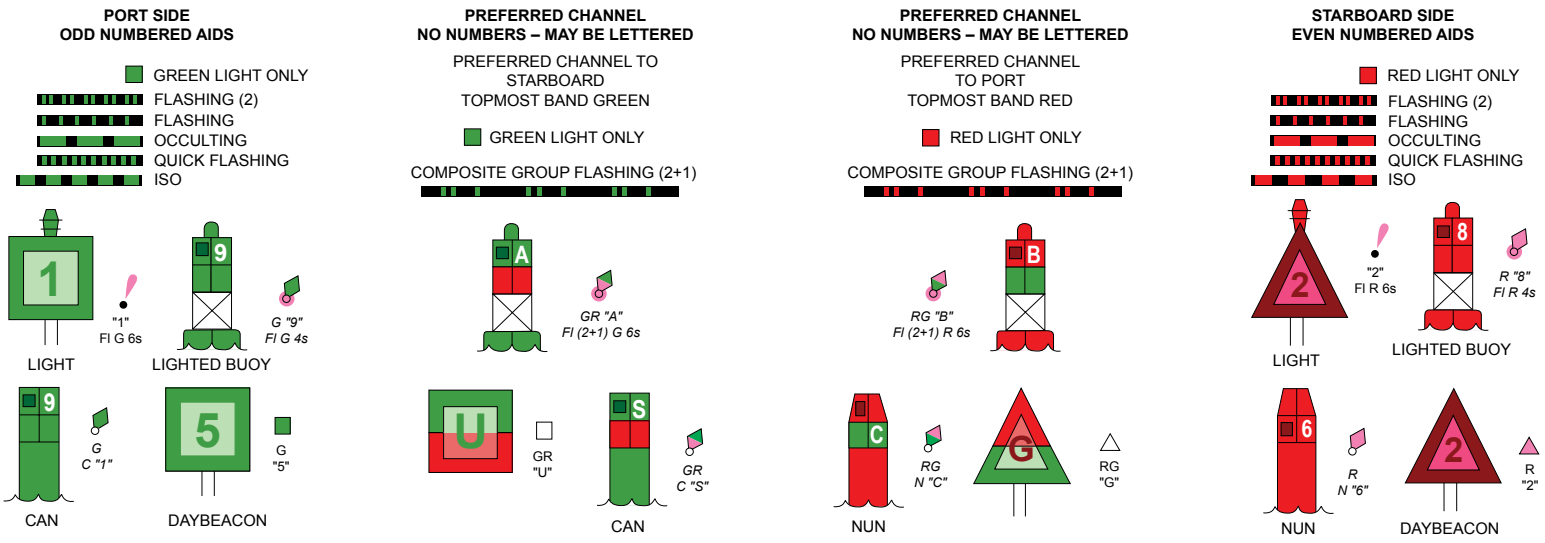


NOAA's navigation managers serve as ambassadors to the maritime community. They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit *nauticalcharts.noaa.gov/service/navmanagers*

To make suggestions or ask questions online, go to *nauticalcharts.noaa.gov/inquiry*.
To report a chart discrepancy, please use *ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx*.

Lateral System As Seen Entering From Seaward

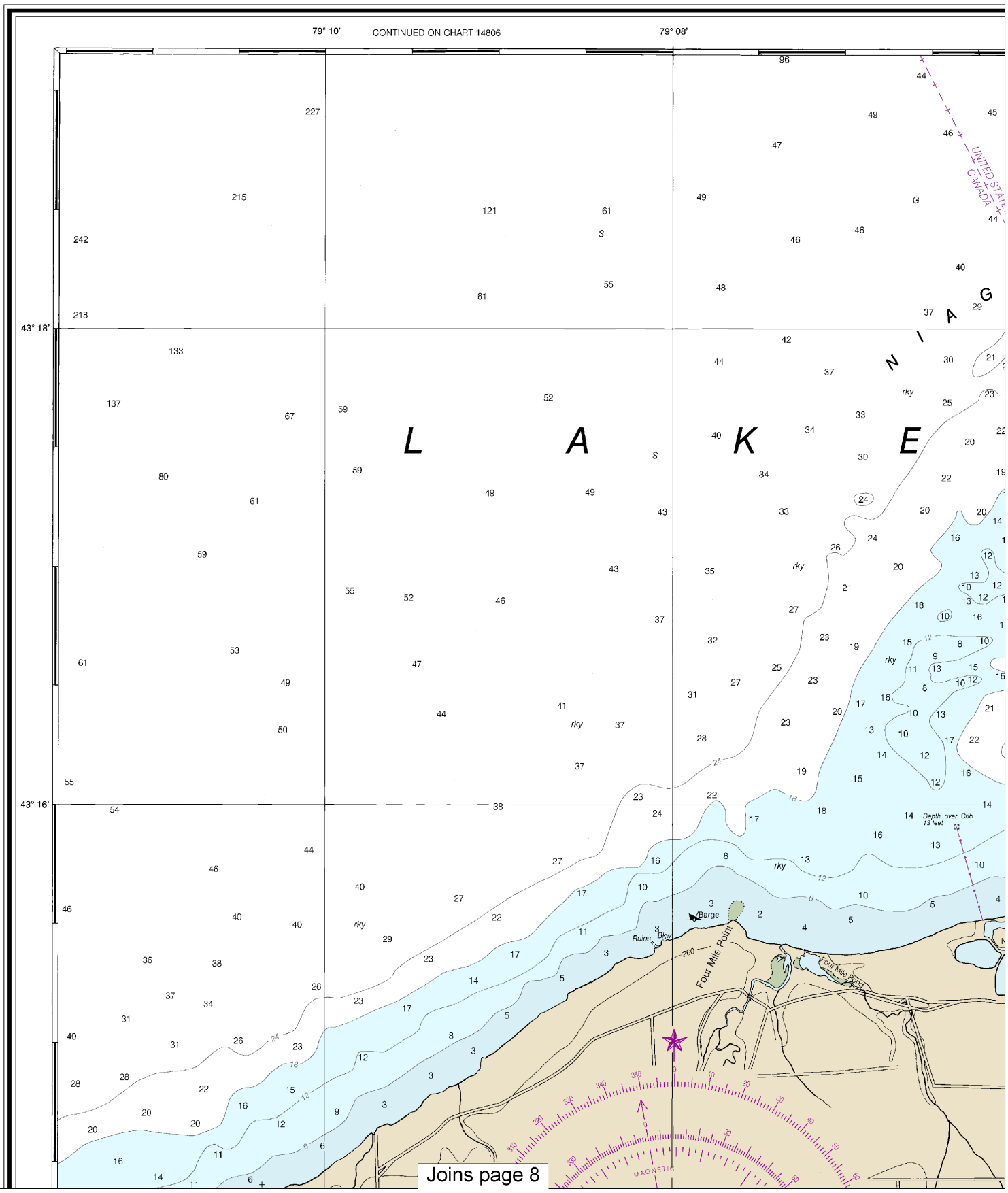
on navigable waters except Western Rivers



For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area. These volumes are available online at *http://www.navcen.uscg.gov*

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

14816



4

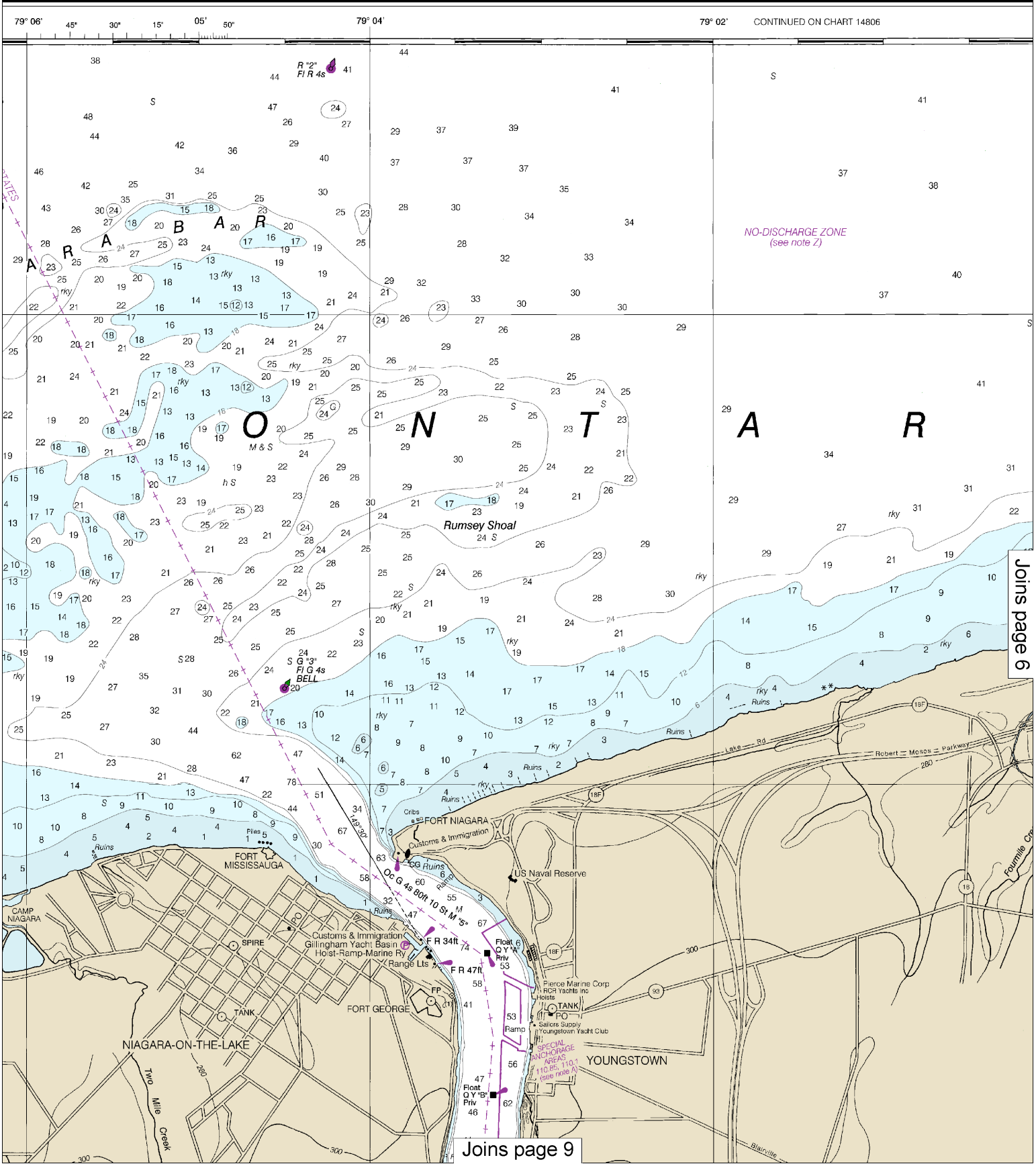
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:30,000~~

Nautical Miles: 1 0 1 2

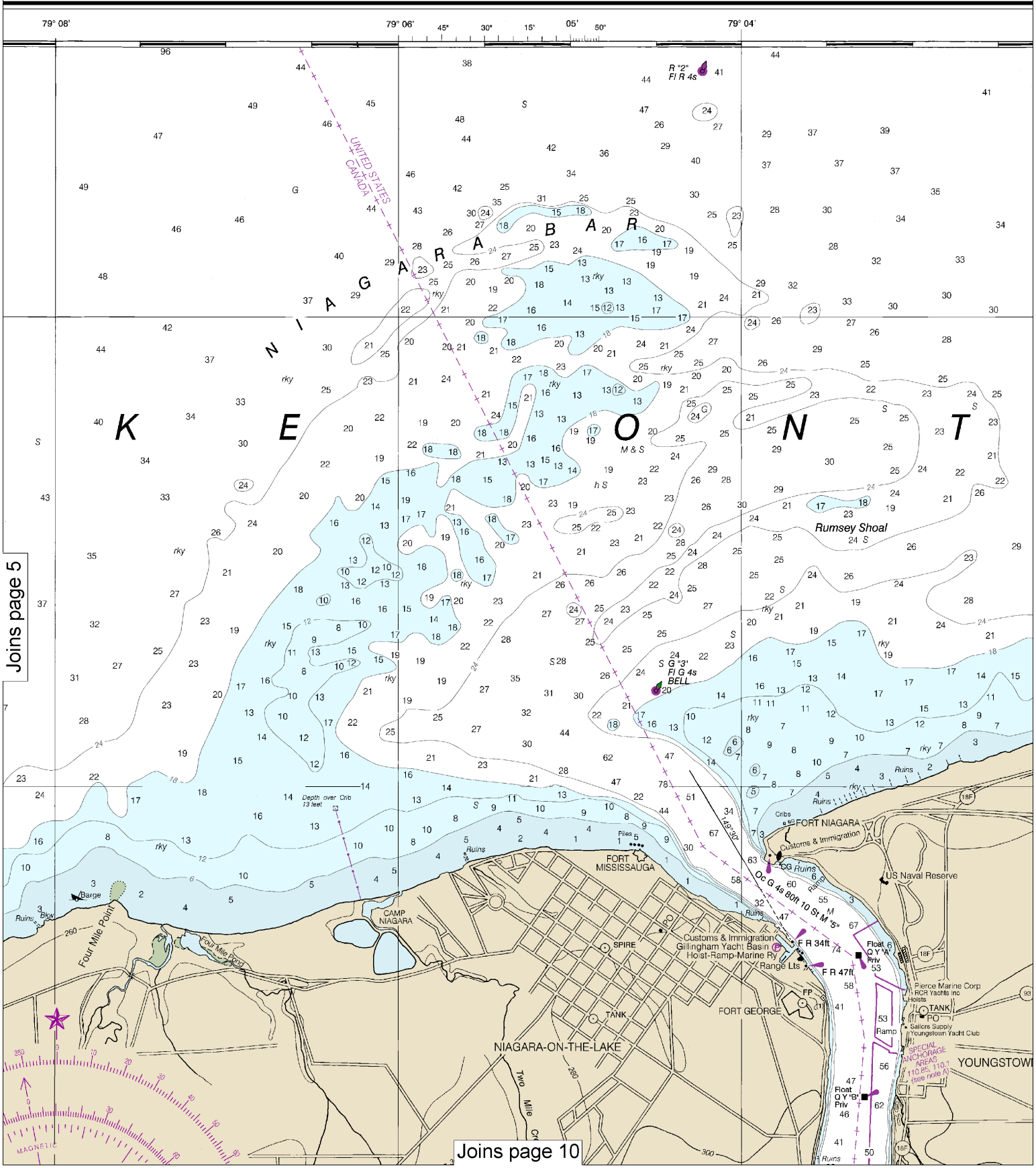
Yards: 1000 0 1000 2000 3000

See Note on page 5.



This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:40000. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.

Formerly LS 256, 1st Ed., Nov 1909 KAPP 1132



6

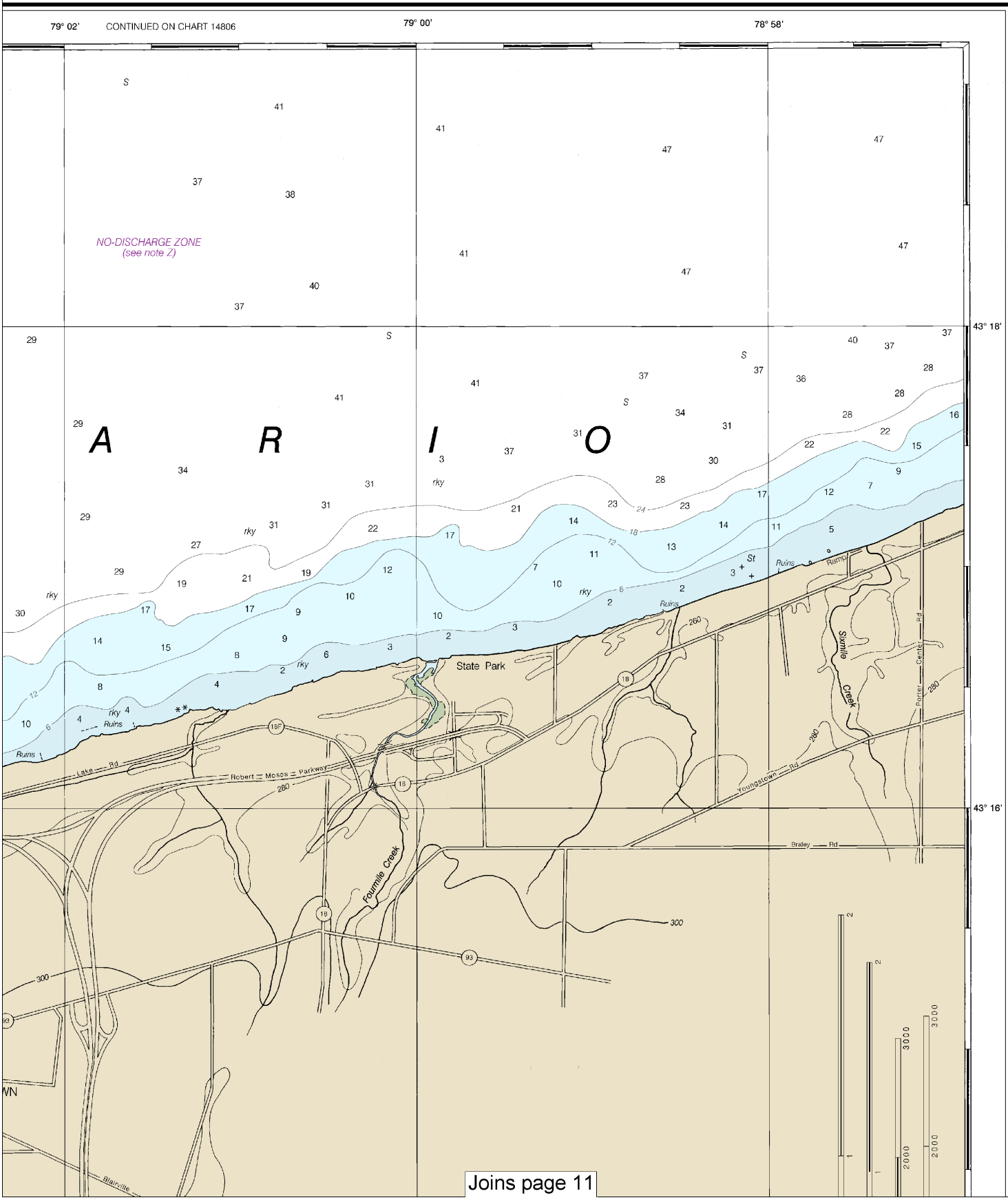
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:30,000~~

Nautical Miles: 1 0 1 2

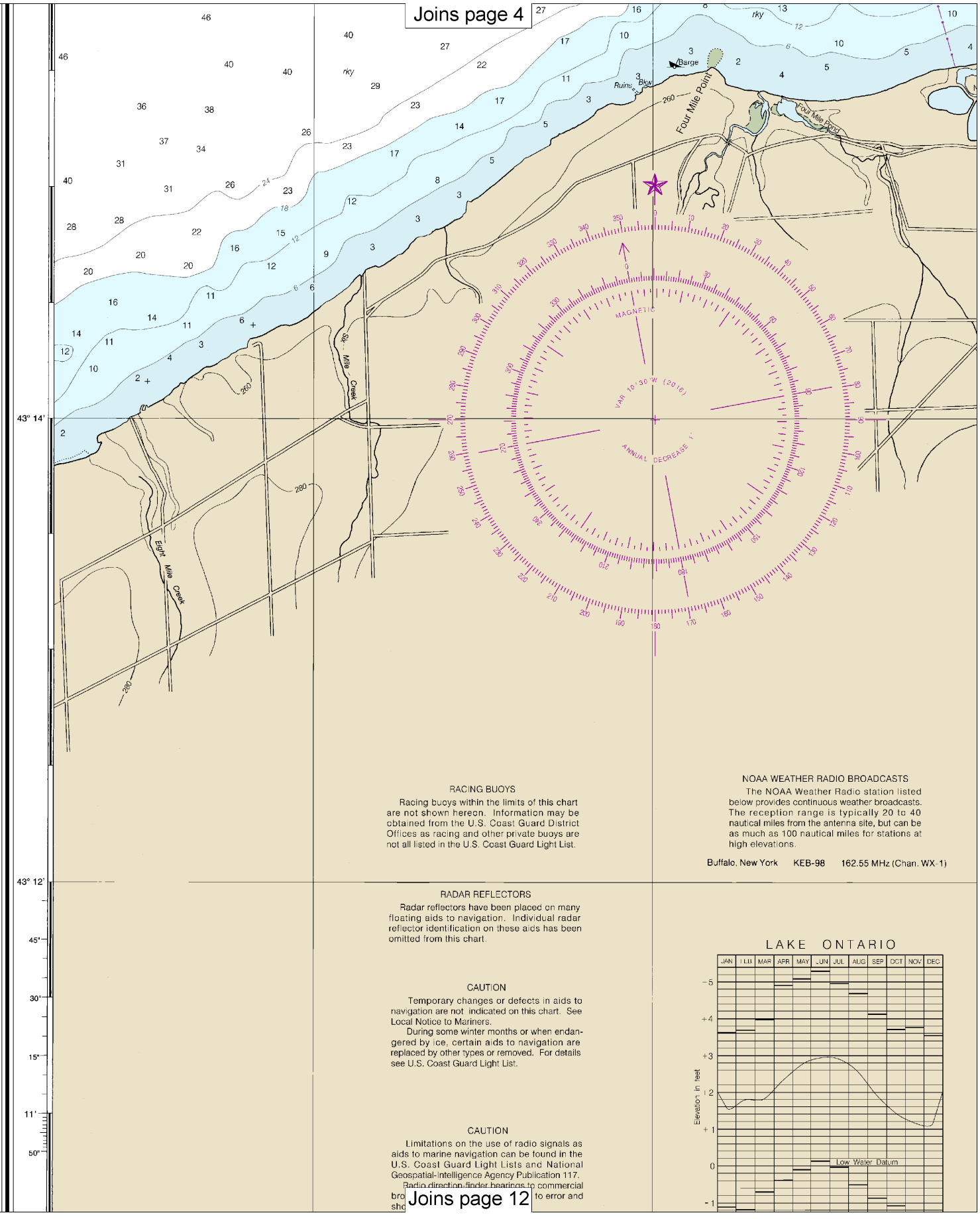
Yards: 1000 0 1000 2000 3000

See Note on page 5.



Joins page 11

Joins page 4



RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Buffalo, New York KEB-98 162.55 MHz (Chan. WX-1)

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial bro to error and sho

LAKE ONTARIO

Joins page 12

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:30,000~~

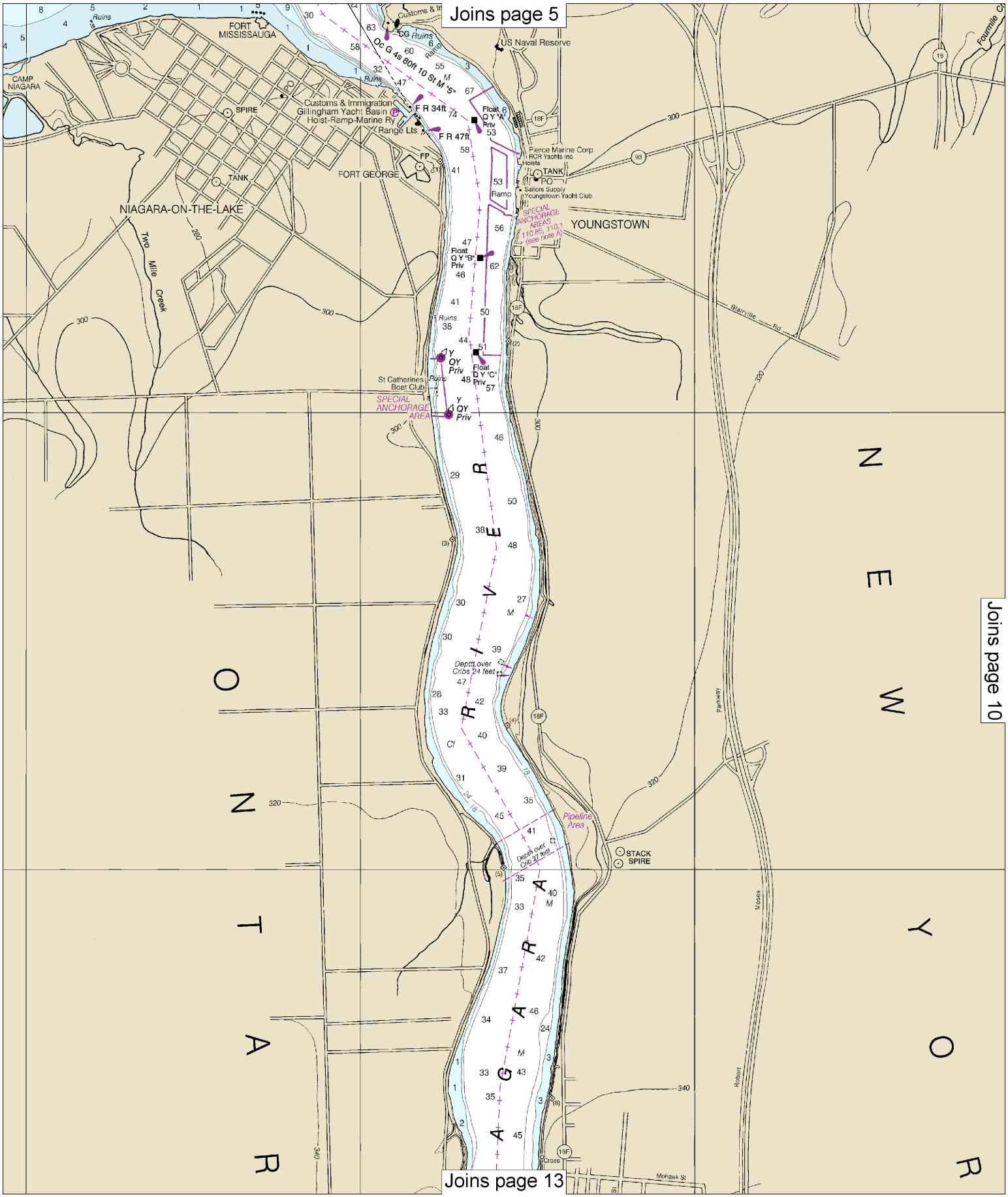
Nautical Miles

1 0 1 2

Yards

1000 0 1000 2000 3000

See Note on page 5.


Joins page 5
FORT MISSISSAUGA
CAMP NIAGARA
Ruins
CG Ruins
US Naval Reserve
Oc G 4s 80ft 10 St M "5"
Customs & Immigration
Gillingham Yacht Basin
Hoist-Ramp-Marine Ry
Range Lts
F R 34ft
F R 47ft
Float Q Y "A" Priv
Pierce Marine Corp
RCR Yachts Inc
Hoists
SPIRE
TANK
P.O.
FORT GEORGE
FP
Sailors Supply
Youngstown Yacht Club
Ramp
NIAGARA-ON-THE-LAKE
YOUNGSTOWN
SPECIAL ANCHORAGE AREAS 110.1, 110.85, 110.9 (see note A)
Two Mile Creek
Float Q Y "B" Priv
Blairville Rd
St Catherines Boat Club
SPECIAL ANCHORAGE AREA
Y QY Priv
Float Q Y "C" Priv
NIAGARA RIVER
Depth over Cribs 24 feet
Pipeline Area
STACK
SPIRE
Depth over Crib 21 feet
Parkway
Robert
Cross
Mohawk St
ONTARIO
NEW YORK
Joins page 10
Joins page 13

Joins page 6

Joins page 9

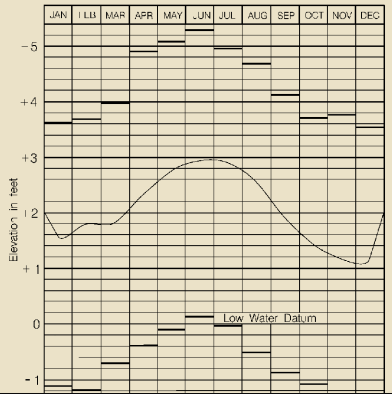
Joins page 14

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Buffalo, New York KEB-98 162.55 MHz (Chan. WX-1)

LAKE ONTARIO



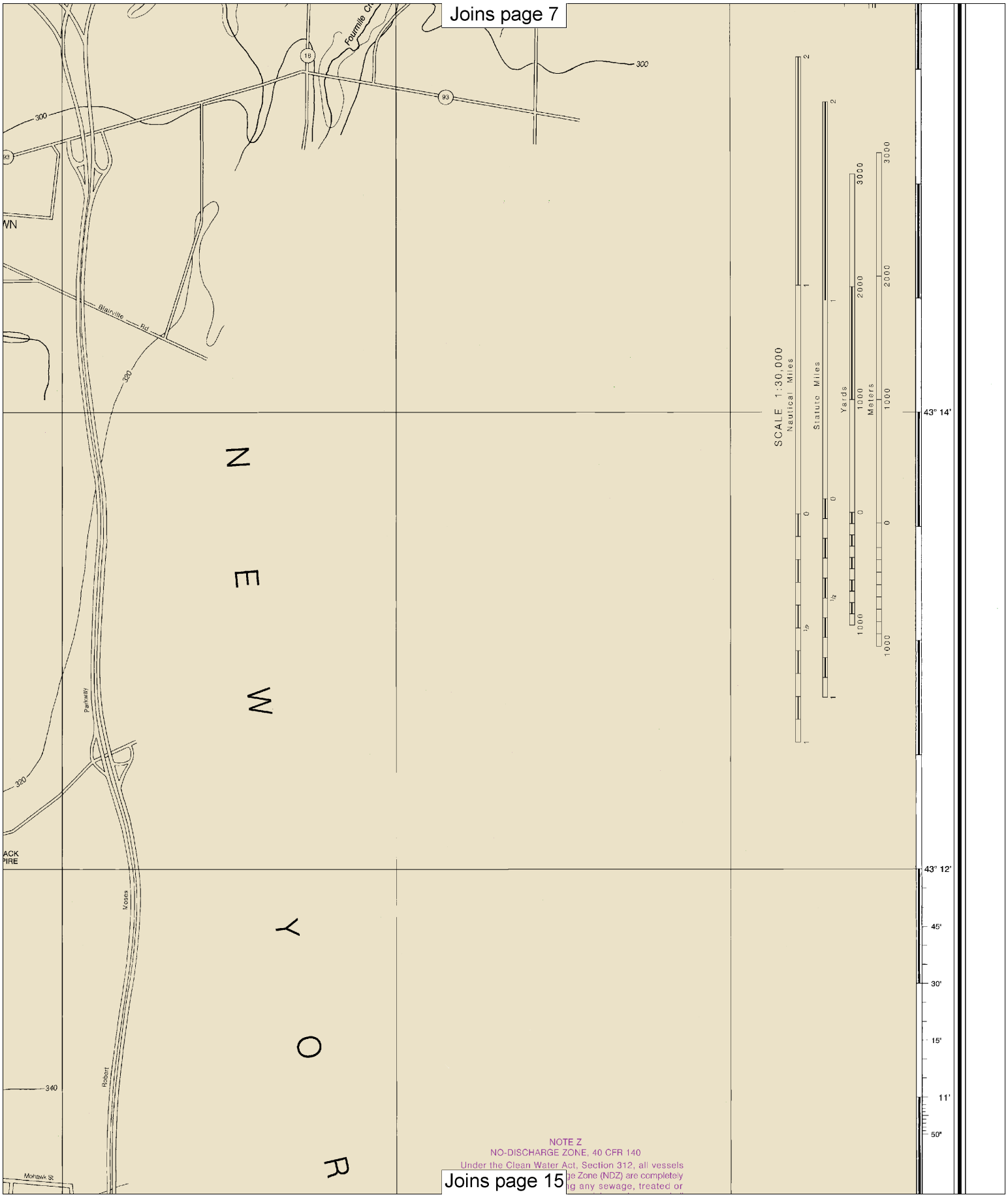
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:30,000~~

Nautical Miles: 1 0 1 2

Yards: 1000 0 1000 2000 3000

See Note on page 5.


Joins page 7
Fourmile Cr
18
93
300
Blairville Rd
320
340
Parkway
Vosses
Robert
Mohawk St
N E W Y O R
SCALE 1:30,000
Nautical Miles
Statute Miles
Yards
Meters
43° 14'
43° 12'
45°
30°
15°
11'
50"
NOTE Z
NO-DISCHARGE ZONE, 40 CFR 140
Under the Clean Water Act, Section 312, all vessels
ge Zone (NDZ) are completely
ng any sewage, treated or
Joins page 15

Joins page 8

45°
30'
15'
11'
50'
43° 10'
43° 08'

ed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

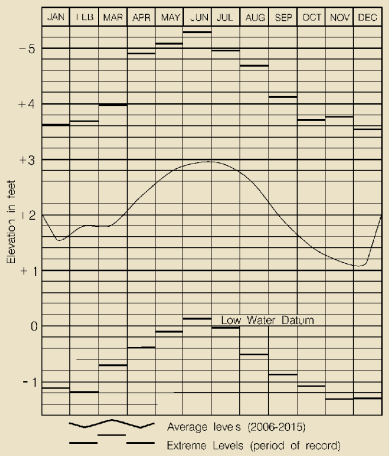
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) o(Approximate location)

CAUTION

Due to periodic high water conditions in the Great Lakes, some features charted as visible at Low Water Datum may be submerged, particularly in the near shore areas. Mariners should proceed with caution.

LAKE ONTARIO



Low Water Datum, which is the plane of reference for the levels shown on the above hydrograph, is also the plane of reference for the charted depths. If the lake level is above or below Low Water Datum, the existing depths are correspondingly greater or lesser than the charted depths.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot 6 for details.

Ⓟ Pump-out facilities

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - GREAT LAKES

LAKE ONTARIO - NEW YORK

LOWER NIAGARA RIVER

Polyconic Projection
Scale 1:30,000

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET

Additional information can be obtained at nauticalcharts.noaa.gov.

NOTES

PLANE OF REFERENCE OF THIS CHART. (Low Water Datum) Depths are referred to the sloping surface at the river when Lake Ontario is at elevation 243.3 feet. Referred to mean water level at Rimouski, Quebec, International Great Lakes Datum (1985).

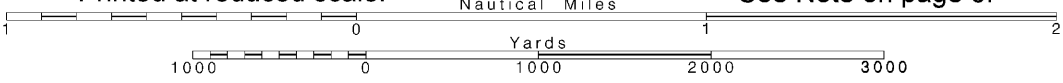
SAILING DIRECTIONS. Bearings of sailing courses are true and distances given thereon are in statute miles between points of departure.

AIDS TO NAVIGATION. Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation [illegible]bys and Fog Signals for information not included in the U.S. Coast [illegible]

Joins page 16

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:30,000~~

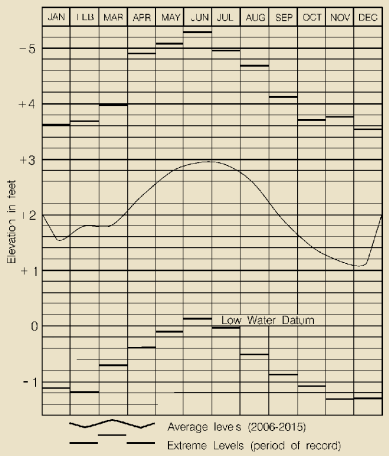


See Note on page 5.


Joins page 9
Joins page 14
Joins page 17
ONTARIO
YORK
NIAGARA
LEWISTON
QUEENSTON
Monawk St
Onodaga St
Center St
Cayuga St
Ramp
TANK
DG Bawtinheimer Ltd
Lewiston Marina inc
PO
Niagara Frontier Performing Arts Center
Parkway
Moss
Robert
Fish Creek
Customs
(Floodlighted)
BROCK MONUMENT
Reservoir
Hydro-Electric Power Commission of Ontario
Dams
R TR
RAPIDS
Dam
CANAL
Lewiston Pump Generating Plant
Robert Moses Niagara Power Plant
R TR
2 Vert Lts
Oc R F R
OVHD CABS
OVHD CAB
OVHD PWR CAB
OVHD PWR CABS
Devils Hole
Niagara Glen
HYDRO-ELECTRIC POWER CANAL
Lewiston Road
Conrail
Military Road
WHIRLPOOL
Whirlpool State Park
College Ave
Canadian National Rys
RR Track
Creek
Whittys
Norfolk & Western Ry
OVHD PIPE
OVHD CAB
OVHD CAB OVHD CABLES
TANK
ConRail
Area

Joins page 10

LAKE ONTARIO



Low Water Datum, which is the plane of reference for the levels shown on the above hydrograph, is also the plane of reference for the charted depths. If the lake level is above or below Low Water Datum, the existing depths are correspondingly greater or lesser than the charted depths.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

COPYRIGHT

Joins page 13

RIVER

ov.

red to the sloping
Datum (1985).
ven thereon are in

ental information
nals for information

Joins page 18

Note: Chart grid lines are aligned with true north.

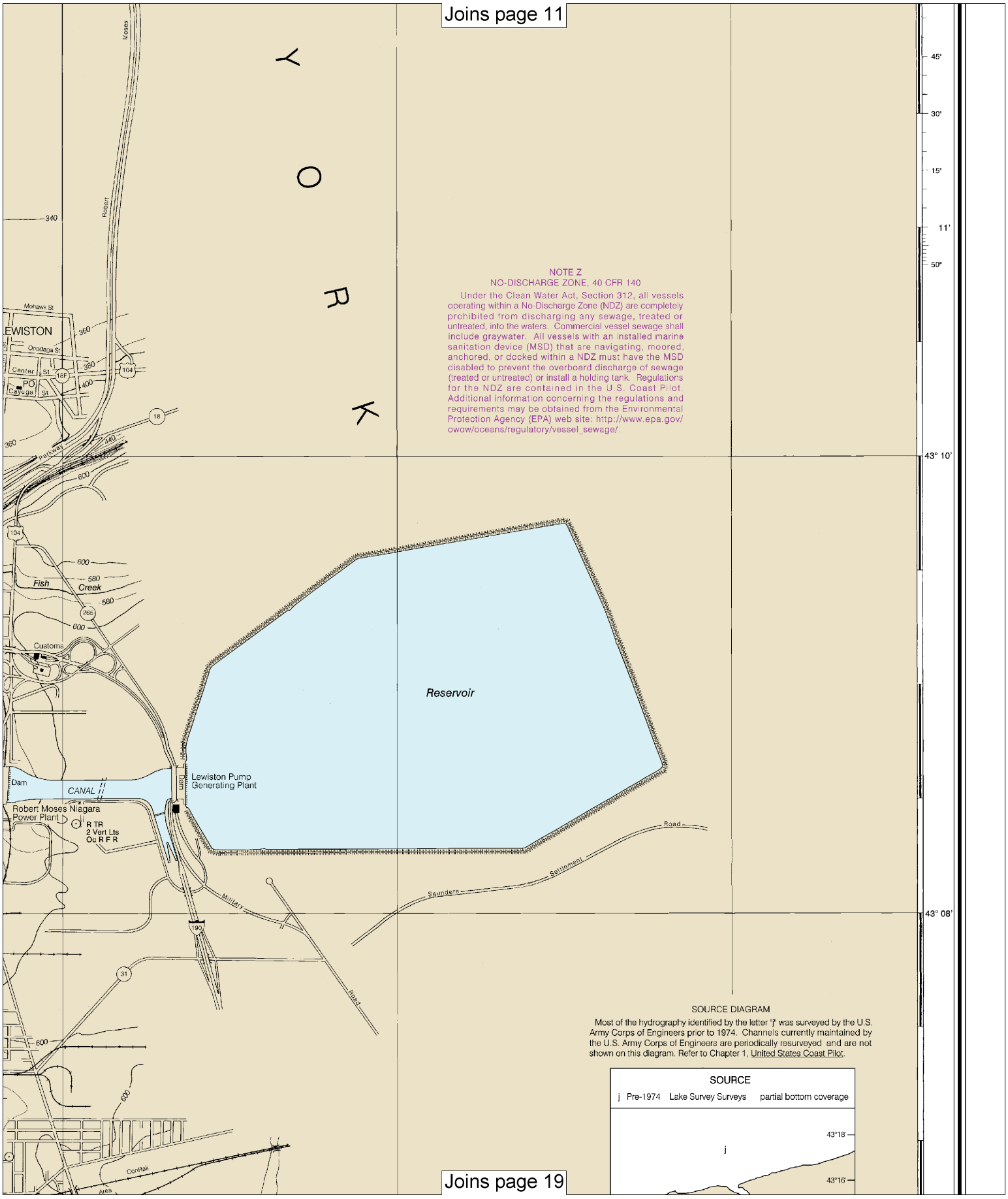
Printed at reduced scale. ~~SCALE 1:30,000~~

See Note on page 5.

Nautical Miles: 1 0 1 2

Yards: 1000 0 1000 2000 3000

Joins page 11



Joins page 19

Joins page 12

Scale 1:30,000

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET

Additional information can be obtained at nauticalcharts.noaa.gov.

NOTES

PLANE OF REFERENCE OF THIS CHART. (Low Water Datum) Depths are referred to the sloping surface at the river when Lake Ontario is at elevation 243.3 feet.
Referred to mean water level at Rimouski, Quebec, International Great Lakes Datum (1985).

SAILING DIRECTIONS. Bearings of sailing courses are true and distances given thereon are in statute miles between points of departure.

AIDS TO NAVIGATION. Consult U.S. Coast Guard LIght List for supplemental information concerning aids to navigation. See Canadian List of Lights, Buoys and Fog Signals for information not included in the U.S. Coast Guard Light List.

SYMBOLS AND ABBREVIATIONS. For complete list of symbols and abbreviations see Chart No. 1

BRIDGE AND OVERHEAD CABLE CLEARANCES. When the water surface is above Low Water Datum, bridge and overhead clearances are reduced correspondingly. For clearances see U.S. Coast Pilot 6.

AUTHORITIES. Hydrography and Topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and Canadian authorities.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 6 for important supplemental information.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.212" northward and 0.821" eastward to agree with this chart.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 6. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 9th Coast Guard District in Cleveland, Ohio, or at the Office of the District Engineer, Corps of Engineers in Buffalo, New York.
Refer to charted regulation section numbers.

43° 08'
43° 06'
79° 10'
79° 08'
N I A G

14816

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

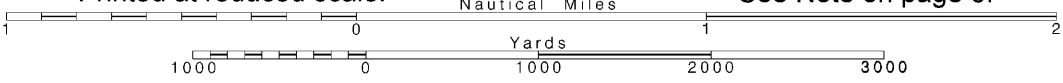
SOUNDINGS IN FE

24th Ed., Feb. 2004. Last Correction: 10/18/2016. Cleared through:
LNM: 4816 (11/29/2016), NM: 4916 (12/3/2016), CHS: 1116 (11/25/2016)

16

Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:30,000~~



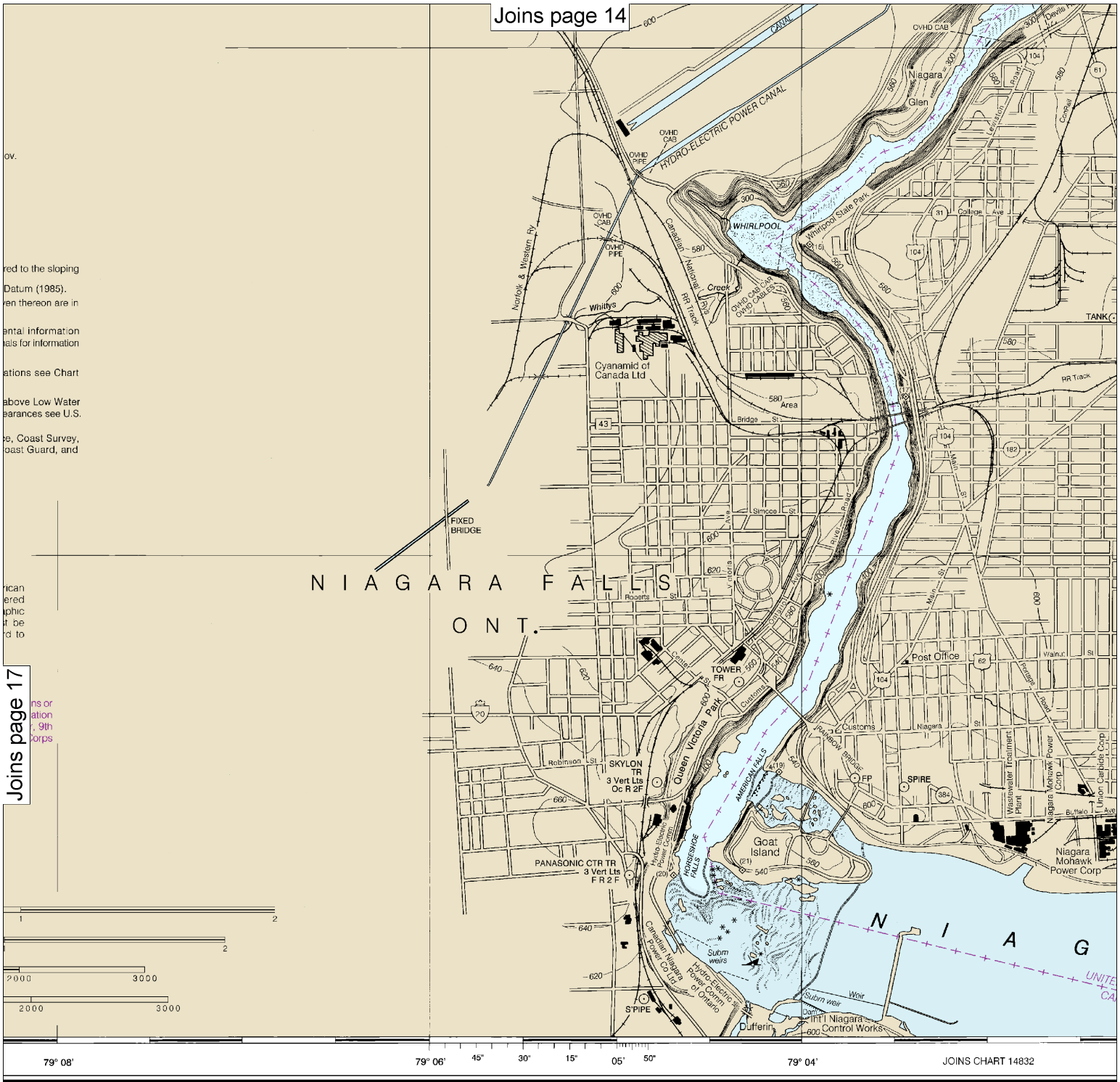
See Note on page 5.

EET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	1											
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	8											
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

Joins page 14



Joins page 17

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

Note: Chart grid lines are aligned with true north.

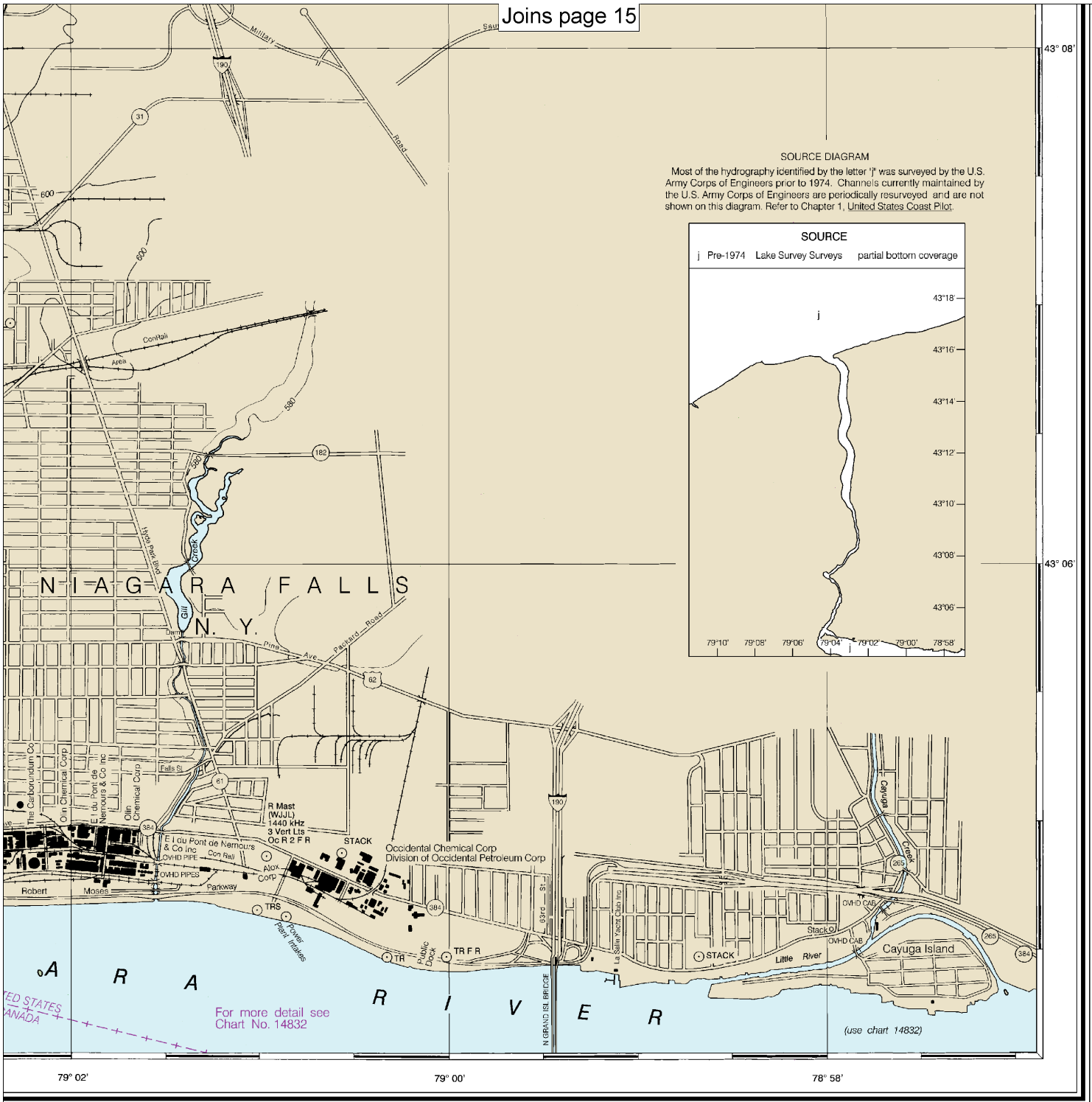
Printed at reduced scale. ~~SCALE 1:30,000~~

Nautical Miles: 1 0 1 2

Yards: 1000 0 1000 2000 3000

See Note on page 5.

Joins page 15



FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

Lower Niagara River

SOUNDINGS IN FEET - SCALE 1:30,000

14816

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.
Channel 9 – Communications between boats and ship-to-coast.
Channel 13 – Navigation purposes at bridges, locks, and harbors.
Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!

All Hazards NOAA Weather Radio NOAA's National Weather Service

NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.
http://www.nws.noaa.gov/nwr/

Quick References

Nautical chart related products and information	—	**http://www.nauticalcharts.noaa.gov**
Interactive chart catalog	—	**http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml**
Report a chart discrepancy	—	**http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx**
Chart and chart related inquiries and comments	—	**http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs**
Chart updates (LNM and NM corrections)	—	**http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html**
Coast Pilot online	—	**http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm**
Tides and Currents	—	**http://tidesandcurrents.noaa.gov**
Marine Forecasts	—	**http://www.nws.noaa.gov/om/marine/home.htm**
National Data Buoy Center	—	**http://www.ndbc.noaa.gov/**
NowCoast web portal for coastal conditions	—	**http://www.nowcoast.noaa.gov/**
National Weather Service	—	**http://www.weather.gov/**
National Hurrican Center	—	**http://www.nhc.noaa.gov/**
Pacific Tsunami Warning Center	—	**http://ptwc.weather.gov/**
Contact Us	—	**http://www.nauticalcharts.noaa.gov/staff/contact.htm**

twitter —— For the latest news from Coast Survey, follow **@NOAAcharts**

This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

NOAA's Office of Coast Survey The Nation's Chartmaker